

**12th standard Bio-Botany Practical notes**

2022-23

Name: \_\_\_\_\_  
 Reg. No: \_\_\_\_\_  
 Subject: \_\_\_\_\_  
 Class: \_\_\_\_\_ Section: \_\_\_\_\_  
 Date: \_\_\_\_\_ Batch: \_\_\_\_\_  
 Session: \_\_\_\_\_ Time: \_\_\_\_\_

IDENTIFICATION		
Q.No.	Ex.No.	Content
I	A1	Preparation and Demonstration of Slides T.S. of Modern Amber
II	B1	Fresh or preserved specimens/Models/Photographs/Charts
III	C1	Pyramid of Biomass
IV	D1	Solving the Problems
V	E1	Chromosomal Aberration - Deletion
VI	F1	Experiments
VII	G1	Study of pH of different types of soil
VIII	H1	Economic Importance of Plants
IX	I1	Henna Powder

Q.No.	Ex.No.	Content
I A		Preparation and Demonstration of Slides
I B	A1	T.S. of Amber Diagnostic Features
I B	A2	T.S. of an Aegospotum ovule
I B	A3	T.S. of Nervous Tissue
II B		Fresh or preserved specimens/Models/Photographs/Charts
II B	B1	Wood Pollinated Flowers - Autogamy
II B	B2	Insect Pollinated Flowers - Entomophily
II B	B3	Dicot seed
II B	B4	Fungi causing vector (ppb) 122)
II B	B5	Plant Tissue Culture - Callus with plastids
II B	B6	Pyramid of Number
II B	B7	Pyramid of Biomass
II B	B8	Pyramid of Energy
III C		Solving the Problems
III C	C1	To verify the Mendel's Mendelian Cross
III C	C2	Analysis of seed sample to study Mendelian Dihybrid Cross
III C	C3	Flow of energy and law of energy
III C	C4	Determination of Population density and Percentage frequency by Quadrat method
III C	C5	Chromosomal Aberration - Deletion
III C	C6	Chromosomal Aberration - Duplication
III C	C7	Chromosomal Aberration - Inversion
III C	C8	Genetic - linkage map
IV D		Experiments
IV D	D1	Study of Pollen germination on a slide
IV D	D2	Study of pH of different types of soil
IV D	D3	Isolation of DNA from plant materials
V E		Economic Importance of Plants
V E	E1	Sesame or Gingelly oil
V E	E2	Rubies
V E	E3	Broken Rice or Avai
V E	E4	Henna Powder
V E	E5	Aloe Vera

# Standard 12 Botany Practical Manual

**Mary Matilda Howard**

## Standard 12 Botany Practical Manual:

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Within the pages of "**Standard 12 Botany Practical Manual**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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36 2 x 9 25 3 x 9 25 4 x 45 81 5 x 7 9 6

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